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User Manual

MiVue™ 600

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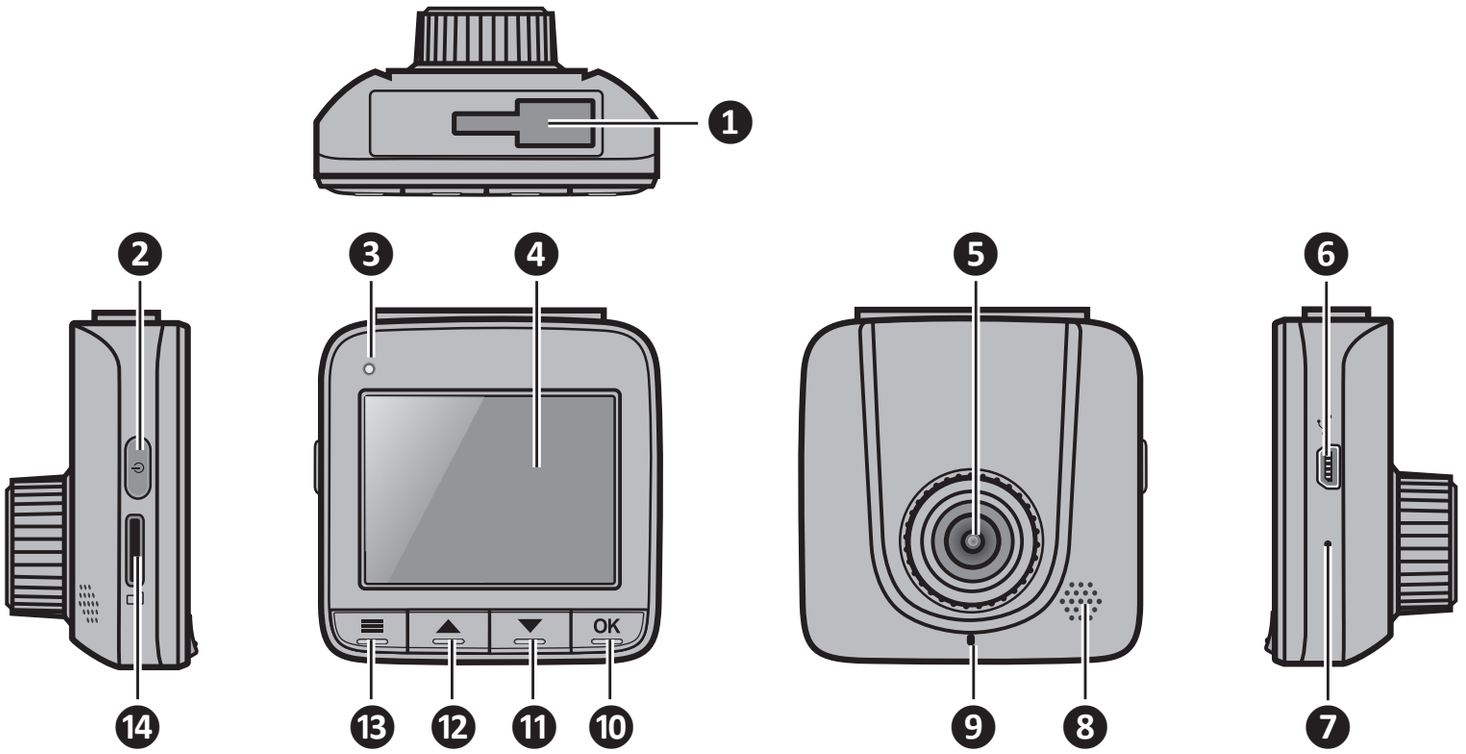
Precautions and notices

- For your own safety, do not operate the controls of the product while driving.
- A window mount is needed when using the recorder in a car. Make sure that you place the recorder in an appropriate place, so as not to obstruct the driver's view or deployment of airbags.
- Make sure that no object is blocking the camera lens and no reflective material appears near the lens. Please keep the lens clean.
- If the car's windscreen is tinted with a coating, it may impact the recording quality.

Getting to know the dash cam



	Name	Description
❶	**Device mount socket**	For the device mount.
❷	**Power key**	▪ Press briefly to turn on the device; press and hold to turn off the device. ▪ When the device is on and not recording: press briefly repeatedly to cycle through the operation mode: video > photo > video playback > photo playback. ▪ In Settings: press briefly repeatedly to cycle through all **Settings** menus.
❸	**Status indicator**	▪ Glows in green when the device is turned on not using the AC power. ▪ Glows in amber when charging is in progress and the device is turned on. ▪ Glows in red when charging is in progress and the device is turned off. (The indicator will be off when the device is fully charged.) ▪ Flashes in green (not using the AC power) or in amber and red alternately (using the AC power) when recording is in progress.
❹	**LCD screen**	Displays the output of your device.
❺	**Camera lens**	Make sure that no object is blocking the camera lens and no reflective material appears near the lens.
❻	**Mini-USB connector**	Connects to the charger.
❼	**Reset switch**	Turns off (not using the AC power) or restarts (using the AC power) the device.
❽	**Speaker**	Outputs audio.
❾	**Microphone**	Receives sounds.

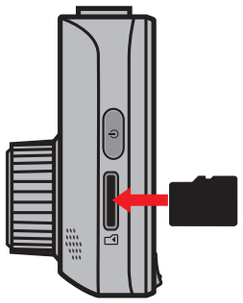
	Name	Description
⑩	**OK key**	▪ Starts or stops recording. ▪ Acts as the ENTER button.
⑪	**Down key**	▪ Moves to the next item. ▪ Takes a photo during recording.
⑫	**Up key**	Moves to the previous item.
⑬	**Menu key**	▪ Opens the **Settings** menu when not recording. ▪ Returns to the previous screen. ▪ Protects or removes the protection of the current recording.
⑭	**Memory card slot**	Data is recorded to a MicroSD card.

Inserting a memory card

CAUTION: Do not apply pressure to the centre of the memory card.

You have to insert a memory card before you can start recording. Your device supports Class 6 (or higher) memory cards with up to 32 GB capacity.

Hold the card (MicroSD) by the edges and gently insert it into the slot with the label facing the camera lens of your MiVue.



To remove a card, gently push the top edge of the card inwards to release it, and pull it out of the slot.

Note: Before you start recording, please format the MicroSD card to avoid malfunction caused by files not created by MiVue. You can format the card on your computer or on MiVue.

Note: MiTAC does not guarantee the product's compatibility with MicroSD cards from all manufacturers.

Formatting a card

If you need to format a memory card (all data will be erased):

1. When not recording, press to open the **Settings** menu.
2. Press the Power key repeatedly to open the **Tools** menu.
3. Select **Format Card** and press . Select **Yes** and press .

Using your recorder in a vehicle

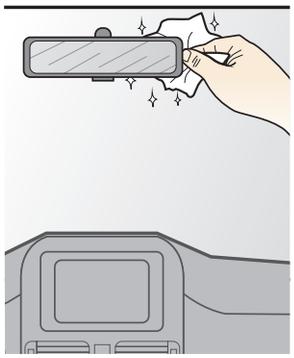
CAUTION:

- Select an appropriate location for mounting the device in a vehicle. Never place the device where the driver's field of vision is blocked.
- DO NOT insert or remove the memory card when operating the recorder.

To ensure the optimal recording angle, pay attention to the following:

1. Make sure that your car is parked on a level ground.
2. When adjusting the angle of mounting, make sure that the camera's view is parallel with the level ground, and the ground/sky ratio is close to 6/4.

1



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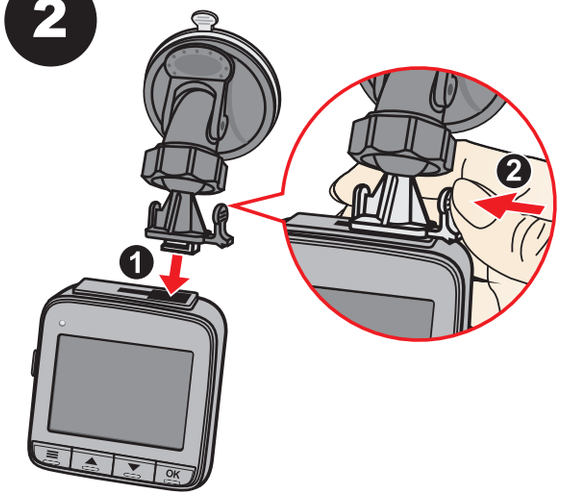

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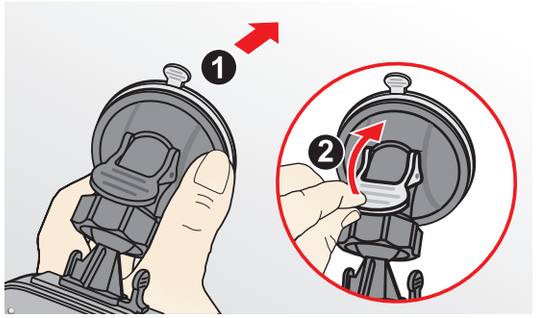

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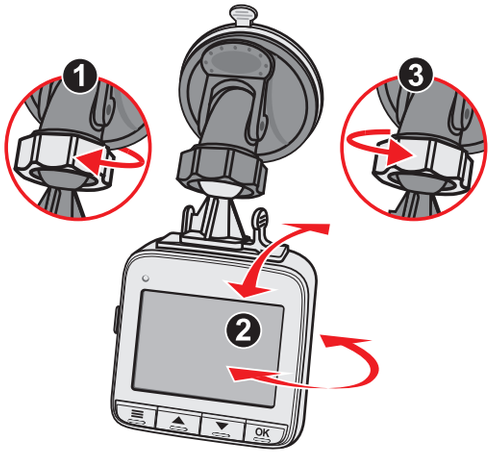

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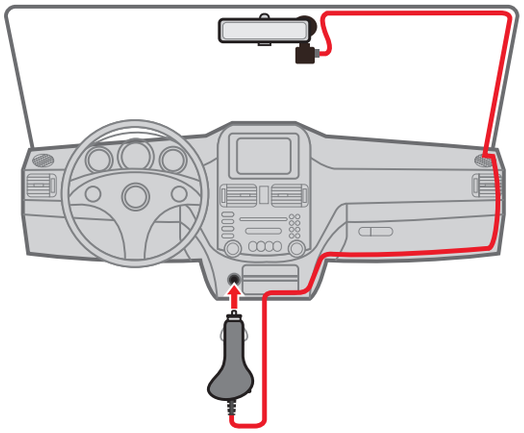

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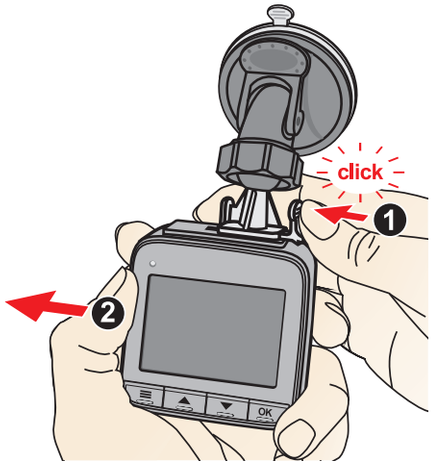


Use cable clips to secure the power cord so that it does not interfere with driving. To ensure the highest quality recordings, you are advised to place the recorder near the rear view mirror.

Operating basics

CAUTION: DO NOT remove or insert the memory card while recording.

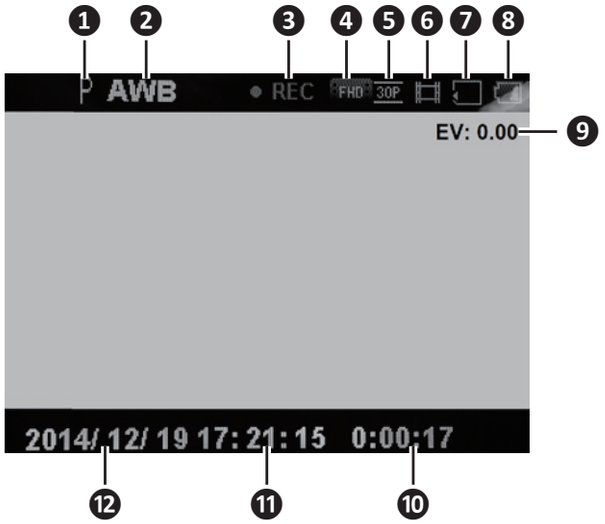
Connect the recorder to the car charger according to the installation instructions in the previous “Using your recorder in a vehicle” section.

Setting the date and time

To make sure of the correct date and time for your recordings, please check the date and time settings before you begin recording.

1. When not recording, press to open the **Settings** menu.
2. Press the Power key repeatedly to open the **General Settings** menu.
3. Select **Date / Time** and press .
4. Use and to adjust the value and press .
5. Repeat Step 4 until all fields have been changed.

Screen elements



1. Current scene mode
2. Current setting of white balance
3. Recording or standby mode
4. Image resolution
5. Frame frequency of the video
6. Current operation mode
7. Memory card status
8. Battery power status
9. Exposure value
10. Elapsed time of recording, or the remaining time/ amount of photos
11. Current date
12. Current time

Recording in driving mode

Continuous recording

When you connect the car charger to the cigarette lighter in the car, the recorder will start continuous recording automatically. The recording may be divided into several video clips; recording will not stop between video clips.

During recording, you can protect the recording (so that it will not be overwritten by continuous recording) by pressing . Pressing again removes the protection.

The recorder automatically stops and saves the recording when the vehicle engine is turned off. Then the recorder turns off automatically. If you want to stop recording manually, press .

When recording is not in progress, you can manually start the continuous recording at any time by pressing . To stop recording, press .

Note: If continuous recording is ongoing but there is not enough space on your memory card, new video clips will replace the old ones.

Note: When not recording, you can open the **Video Settings** menu by pressing .

Event recording

By default, if an event happens, such as sudden impact, high-speed driving, an overdone turn or an accidental crash, the G sensor will prompt the recorder to start an "emergency" recording (an event recording).

If you want to manually start an event recording while continuous recording is in progress, press .

To stop recording, press .

Photo mode

- During recording: press to take the photo of the current video image.
- When not recording: press the Power key briefly repeatedly to switch to photo mode, and then press .

Note: In photo mode, you can open the **Photo Settings** menu by pressing .

Playback mode

To select a video or photo for playback (when not recording):

1. Press the Power key briefly repeatedly to switch to video playback or photo playback mode, and then press .
2. Select the desired file from the list and press .
3. During photo playback, you can use / to switch to the previous/next photo file.
4. After video playback is finished, the system will return to the thumbnail list.

   After photo playback is finished, press the Power key to return to the thumbnail list.

Note: In playback mode, you can open the **File Playback** menu by pressing .

File management

Protecting files

You can protect files from being deleted.

1. When not recording, press to open the **Settings** menu.
2. Press the Power key repeatedly to open the **File Playback** menu.

3. Select **Protect** and press OK.
4. To add the protection, select **Protect One** and press OK. Select the desired file and press OK.

   Or, select **Protect All** and press OK. Select the desired type and press OK. Select **Yes** and press OK.

   A lock icon will appear on the top-left corner of the thumbnail of the protected file.
5. To remove the protection, select **Unprotect One** and press OK. Select the desired file and press OK.

   Or, select **Unprotect All** and press OK. Select the desired type and press OK. Select **Yes** and press OK.

Deleting files

CAUTION:
- Deleted files cannot be recovered. Make sure to back up your files before deletion.
- You cannot delete the protected files.

1. When not recording, press ☰ to open the **Settings** menu.
2. Press the Power key repeatedly to open the **File Playback** menu.
3. Select **Delete** and press OK.
4. Select **One** and press OK. Select the desired file and press OK.

   Or, select **All** and press OK. Select the desired type and press OK. Select **Yes** and press OK.

Customising the settings

When not recording, press to open the **Settings** menu. Press the Power key repeatedly to cycle through all **Settings** menus.

Menu	Item	Description
Video Settings	**Video Mode**	Sets the image resolution.
	Quality	Sets the video quality.
	Video Clip Length	Sets the length of each video clip for a continuous recording.
	Auto Record	Enables or disables the recorder to start recording automatically once it is powered on.
	Record Sound	Sets if you want to include sounds in the recordings.
	Mic Sensitivity	Sets the microphone sensitivity when recording.
	Scene	Sets the desired scene mode of the camera.
	EV	Sets the exposure level to adjust the brightness of the image.
	White Balance	Sets the white balance setting according to the current lighting environment.
	ISO	Sets the ISO level.
Photo Settings	**Resolution**	Sets the image resolution.
	Quality	Sets the photo quality.
	Scene	Sets the desired scene mode of the camera.
	EV	Sets the exposure level to adjust the brightness of the image.

Menu	Item	Description
	White Balance	Sets the white balance setting according to the current lighting environment.
	ISO	Sets the ISO level.
	Colour	Sets the colour mode.
	Effect	Sets the photo effect.
File Playback	**Volume**	Adjusts the volume level.
	Delete	Deletes file(s).
	Protect	Protects or removes the protection of the file(s).
Tools	**Format Card**	Formats a memory card. (All data will be erased.)
General Settings	**Key Tone**	Enables or disables the sound when a key is pressed.
	Date / Time	Sets the system date and time.
	Date Format	Sets the date format.
	Stamp	Sets how you want to show the date and model in the recordings.
	Language	Sets the language.
	Flicker Frequency	Sets the frequency to match the flicker frequency of the local power supply when recording.
	Screen Rotation	Sets if you want to flip the screen vertically.
	Screen Timeout	Sets the timer for the LCD to turn off automatically (in specified time) after recording starts.
	G-Sensor Sensitivity	When enabled, the G sensor will prompt the recorder to start recording automatically if an event happens. You can change the sensitivity level of the G sensor.

Menu	Item	Description
	Restore to Defaults	Restores system settings to factory defaults.
	Firmware	Displays the software information.

MiVue Manager

MiVue Manager™ is a tool for you to view the videos recorded on a MiVue recorder.

IMPORTANT! Your computer needs MOV and AVI codecs to play the recording files. Search online to install the required codecs.

Note: Not all features are available for every model.

Installing MiVue Manager

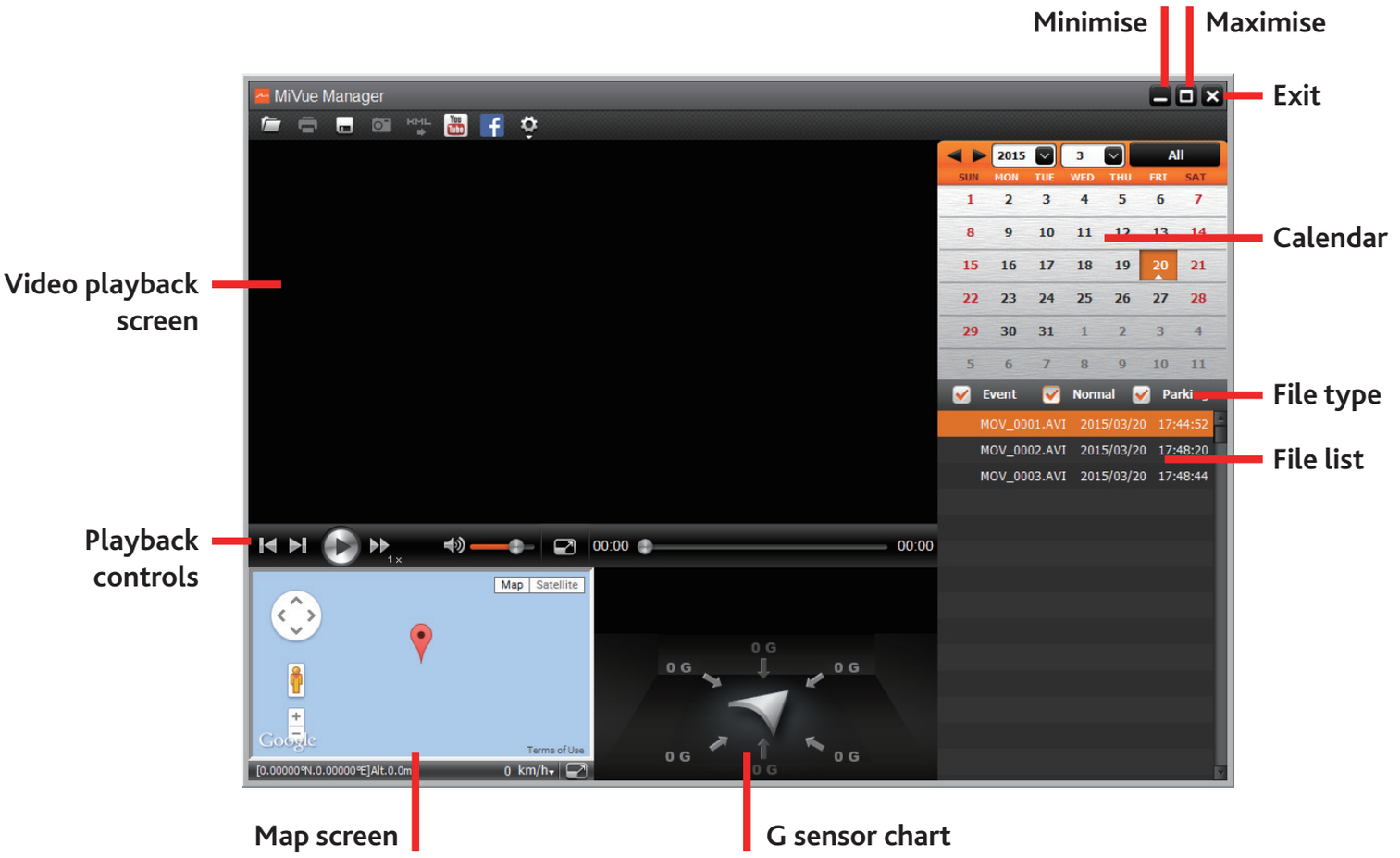
Download MiVue Manager from the Support page of our website (www.mio.com/support) and follow the on-screen prompts to install it. Make sure to download the correct software version (Windows or Mac) according to your computer's operating system.

Playing the recording files

Note: You are advised to copy the recording files to your computer for backup and playback.

1. Do one of the following:
   - Connect the mini-USB end of the USB cable (not supplied) to the recorder and the other end to a USB port on your computer.
   - Remove the memory card from the recorder and access the card on the computer via a card reader.

2. Start MiVue Manager on the computer.



Note: The Map screen may not display when the computer is not connected to the Internet or when your Mivue model does not support the GPS function.

Note: G sensor chart displays data in 3-axis waveform about the car's shift forward/backward (X), to the right/left (Y) and upward/downward (Z).

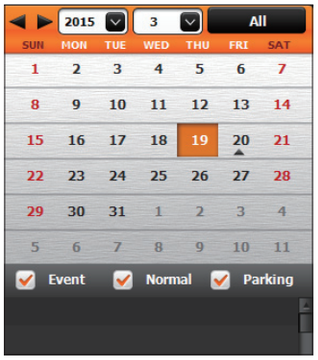
3. By default, MiVue Manager shows the calendar and the file list on the right.
   - When a recording file exists, you will see the date marked with "▲." Click that date to display the files that were recorded on that date.

- You can choose the file type to display: **Event** (emergency event recordings) and/or **Normal** (continuous recordings).

  Note: Your MiVue model may not support the "Parking" file type.

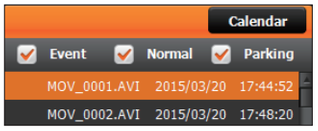
- To display all files in the current folder, click **All**. To return to the calendar view, click **Calendar**.

Calendar



Calendar and File List

All File List



You can also click on the upper-left corner to select the folder that stores the recording files.

4. Double-click the desired file on the file list to start playback.
5. The playback controls are described as follows:

Icon	Description
	Starts or resumes the playback.
	Pauses the playback.
	Skips to the previous / next file on the list.

Icon	Description
	Changes the playback speed to 1/4x, 1/2x, 1x (default), 1.5x, or 2x.
	Changes the playback direction. The ▶ icon indicates the current playback direction.
	Mutes or unmutes the volume.
	Adjusts the volume level.
	Plays the video in full screen.
	Returns to the normal view.
	Displays the playback progress. You can click on a point along the track bar to move directly to a different location for the playback.

6. The tool bar allows you to do the following:

- Click to preview and print the current video image.
- Click to back up the selected files to the specified location on your computer.
- Click to capture and save the current video image to the specified location on your computer.
- Click to export the GPS information of the selected file in the KML format to the specified location on your computer.
- Click to upload the selected file to Facebook or YouTube™.
- Click to open the **Settings** menu. (See the next section.)

Settings menu

Click to open the Settings menu. The Settings items are described as follows:

- **Change Language**: Sets the display language of MiVue Manager.
- **Change Skin**: Sets the color scheme of MiVue Manager.
- **Check for Update**: Checks if there is any new version of MiVue Manager.

  Note: Internet access is required for this feature.
- **About**: Displays the version and copyright information of MiVue Manager.

Caring for your device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.

- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft, do not leave the device and accessories in plain view in an unattended vehicle.
- Overheating may damage the device.

Regulatory information

CE

Products with the CE marking comply with the Electromagnetic Compatibility Directive (2004/108/EC) - issued by the Commission of the European Community.

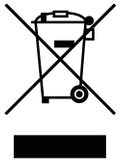
Compliance with these directives implies conformity to the following European Standards:

- EN 55022:2010 +AC:2011, Class B
- EN 55024:2010
- EN 61000-4-2:2009
- EN 61000-4-3:2006 +A1:2008 +A2:2010
- EN 61000-4-4:2012

- EN 61000-4-6:2014
- EN 61000-4-8:2010

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

WEEE



This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE – 2002/96/EC). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.

Safety precautions

About charging

- Use only the charger supplied with your device. Use of another type of charger may result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with “LPS”, “Limited Power Source” and output rated + 5 V dc / 1 A.
- Use a specified battery in the equipment.

About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.

- Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the battery

- Use a specified battery in the equipment.
- CAUTION: This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.
- Important instructions (for service personnel only)
    - Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
    - Replace only with the same or equivalent type recommended by the manufacturer.
    - The battery must be recycled or disposed of properly.
    - Use the battery only in the specified equipment.

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(4/2015)

Trademarks
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Disclaimer
Specifications and documents are subject to change without notice. MiTAC does not warrant this document is error-free. MiTAC assumes no liability for damage incurred directly or indirectly from errors, omissions, or discrepancies between the device and the documents.

Notes
Not all models are available in all regions.
Depending upon the specific model purchased, the color and look of your device and accessories may not exactly match the graphics shown in this document.

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